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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/792,035A

DATE: 08/23/2004
TIME: 10:02:08

Input Set : A:\sequence.listing.ascii.txt
Output Set: N:\CRF4\08232004\J792035A.raw

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3 <110> APPLICANT: Chesnut, Jonathan D.
4     Carrino, John
5     Leong, Louis
6     Madden, Knut
7     Gleeson, Martin
8     Fan, James
9     Brasch, Michael A.
10    Cheo, David
11    Hartley, James L.
12    Byrd, Devon R.N.
13    Temple, Gary F.
15 <120> TITLE OF INVENTION: Methods and Compositions for Synthesis of Nucleic Acid
16 Molecules Using Multiple Recognition Sites
18 <130> FILE REFERENCE: 0942.5340005
20 <140> CURRENT APPLICATION NUMBER: 10/792,035A
21 <141> CURRENT FILING DATE: 2004-03-04
23 <150> PRIOR APPLICATION NUMBER: US 10/454,793
24 <151> PRIOR FILING DATE: 2003-06-05
26 <150> PRIOR APPLICATION NUMBER: US 60/385,613
27 <151> PRIOR FILING DATE: 2002-06-05
29 <150> PRIOR APPLICATION NUMBER: US 10/014,128
30 <151> PRIOR FILING DATE: 2001-12-07
32 <150> PRIOR APPLICATION NUMBER: US 10/005,876
33 <151> PRIOR FILING DATE: 2001-12-07
35 <150> PRIOR APPLICATION NUMBER: US 60/333,124
36 <151> PRIOR FILING DATE: 2001-11-27
38 <150> PRIOR APPLICATION NUMBER: US 60/318,902
39 <151> PRIOR FILING DATE: 2001-09-14
42 <160> NUMBER OF SEQ ID NOS: 148
44 <170> SOFTWARE: PatentIn version 3.1
46 <210> SEQ ID NO: 1
47 <211> LENGTH: 27
48 <212> TYPE: DNA
49 <213> ORGANISM: artificial sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: oligonucleotide primer
54 <400> SEQUENCE: 1
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58 <210> SEQ ID NO: 2
59 <211> LENGTH: 20
60 <212> TYPE: DNA
61 <213> ORGANISM: artificial sequence
63 <220> FEATURE:

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64 <223> OTHER INFORMATION: oligonucleotide primer
66 <400> SEQUENCE: 2
67 accgcctctc cccgcgcgtt
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72 <212> TYPE: DNA
73 <213> ORGANISM: artificial sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: oligonucleotide primer
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82 <210> SEQ ID NO: 4
83 <211> LENGTH: 36
84 <212> TYPE: DNA
85 <213> ORGANISM: artificial sequence
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88 <223> OTHER INFORMATION: oligonucleotide primer
90 <400> SEQUENCE: 4
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94 <210> SEQ ID NO: 5
95 <211> LENGTH: 34
96 <212> TYPE: DNA
97 <213> ORGANISM: artificial sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: oligonucleotide primer
102 <400> SEQUENCE: 5
103 gttccgaagg gccaccgtac tcgtcaattc caag
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 36
108 <212> TYPE: DNA
109 <213> ORGANISM: artificial sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: oligonucleotide primer
114 <400> SEQUENCE: 6
115 ggccaaaagg gaacttgttt attgcagctt ataatg
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119 <211> LENGTH: 22
120 <212> TYPE: DNA
121 <213> ORGANISM: artificial sequence
123 <220> FEATURE:
125 <223> OTHER INFORMATION: oligonucleotide primer
127 <400> SEQUENCE: 7
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134 <213> ORGANISM: artificial sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: oligonucleotide primer

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139 <400> SEQUENCE: 8
140 cggaaacaagg ggaattccct gtcaccgaga cc 32
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144 <211> LENGTH: 34
145 <212> TYPE: DNA
146 <213> ORGANISM: artificial sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: oligonucleotide primer
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152 cggaaacaagg ggaattcccc gggatctgga attc 34
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157 <212> TYPE: DNA
158 <213> ORGANISM: artificial sequence
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161 <223> OTHER INFORMATION: oligonucleotide primer
163 <400> SEQUENCE: 10
164 tcgaaaagggt cgaggtcgac ctgcagctg 29
167 <210> SEQ ID NO: 11
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169 <212> TYPE: DNA
170 <213> ORGANISM: artificial sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: oligonucleotide primer
175 <400> SEQUENCE: 11
176 aattcacatt gattatttag tagtta 26
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181 <212> TYPE: DNA
182 <213> ORGANISM: artificial sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: oligonucleotide primer
187 <400> SEQUENCE: 12
188 tcgaaaagggt aatggccagc aaaggagaag 30
191 <210> SEQ ID NO: 13
192 <211> LENGTH: 27
193 <212> TYPE: DNA
194 <213> ORGANISM: artificial sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: oligonucleotide primer
199 <400> SEQUENCE: 13
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204 <211> LENGTH: 29
205 <212> TYPE: DNA
206 <213> ORGANISM: artificial sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: oligonucleotide primer
211 <400> SEQUENCE: 14

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Input Set : A:\sequence.listing.ascii.txt
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212 ggccaagggt ctgaatgggg ccgcata 29
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227 <210> SEQ ID NO: 16
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229 <212> TYPE: DNA
230 <213> ORGANISM: artificial sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: oligonucleotide primer
235 <400> SEQUENCE: 16
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239 <210> SEQ ID NO: 17
240 <211> LENGTH: 30
241 <212> TYPE: DNA
242 <213> ORGANISM: artificial sequence
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245 <223> OTHER INFORMATION: oligonucleotide primer
247 <400> SEQUENCE: 17
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251 <210> SEQ ID NO: 18
252 <211> LENGTH: 31
253 <212> TYPE: DNA
254 <213> ORGANISM: artificial sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: oligonucleotide primer
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263 <210> SEQ ID NO: 19
264 <211> LENGTH: 29
265 <212> TYPE: DNA
266 <213> ORGANISM: artificial sequence
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269 <223> OTHER INFORMATION: oligonucleotide primer
271 <400> SEQUENCE: 19
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276 <211> LENGTH: 50
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278 <213> ORGANISM: artificial sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: oligonucleotide primer
283 <400> SEQUENCE: 20
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Input Set : A:\sequence.listing.ascii.txt
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289 <212> TYPE: DNA
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292 <220> FEATURE:
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295 <400> SEQUENCE: 21
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300 <211> LENGTH: 21
301 <212> TYPE: DNA
302 <213> ORGANISM: artificial sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: oligonucleotide primer
307 <400> SEQUENCE: 22
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311 <210> SEQ ID NO: 23
312 <211> LENGTH: 38
313 <212> TYPE: DNA
314 <213> ORGANISM: artificial sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: oligonucleotide primer
319 <400> SEQUENCE: 23
320 ggcctaaagg gtcccttag tgagggttaa ttgcgcgc      38
323 <210> SEQ ID NO: 24
324 <211> LENGTH: 38
325 <212> TYPE: DNA
326 <213> ORGANISM: artificial sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: oligonucleotide primer
331 <400> SEQUENCE: 24
332 gcgcgcaatt aaccctcact aaaggggaccc tttaggcc      38
335 <210> SEQ ID NO: 25
336 <211> LENGTH: 34
337 <212> TYPE: DNA
338 <213> ORGANISM: artificial sequence
340 <220> FEATURE:
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343 <400> SEQUENCE: 25
344 cggaacaagg gatgatagat cccgtcggtt taca      34
347 <210> SEQ ID NO: 26
348 <211> LENGTH: 32
349 <212> TYPE: DNA
350 <213> ORGANISM: artificial sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: oligonucleotide primer
355 <400> SEQUENCE: 26
356 taggccaagg ggaccatttt caatccgcac ct      32
359 <210> SEQ ID NO: 27

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/792,035A

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Input Set : A:\sequence.listing.ascii.txt
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L:922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:660
L:1025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:660
L:1137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:900
L:1139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:960
L:1338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:900
L:1340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:960
L:1499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:60
L:1583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0
L:2320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0
L:2350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/23/2004
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:70; N Pos. 691,692,693,694,695,696,697,698,699
Seq#:71; N Pos. 710,711,712,713,714,715
Seq#:72; N Pos. 958,959,960,961,962,963,964,965,966
Seq#:73; N Pos. 958,959,960,961,962,963,964,965,966
Seq#:74; N Pos. 64,65,66,67,68,69
Seq#:80; N Pos. 13,14,15
Seq#:140; N Pos. 43,44,45,46,47,48
Seq#:142; N Pos. 1,2,3,4,5,6